

JFW

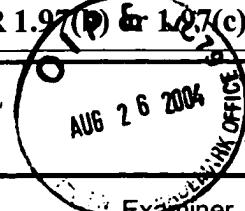
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

JPSA 001

In Re Application Of: SERCEL ET AL



Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/782,741	February 19, 2004		32047	2873	1664

Title: SYSTEM AND METHOD FOR CUTTING USING A VARIABLE ASTIGMATIC FOCAL BEAM SPOT

Address to:

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

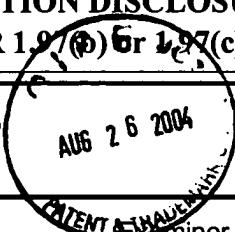
OR

the fee set forth in 37 CFR 1.17(p).

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 (Under 37 CFR 1.97(b) or 1.97(c))

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Title: SYSTEM AND METHOD FOR CUTTING USING A VARIABLE ASTIGMATIC FOCAL BEAM

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of _____ is attached.
- The Director is hereby authorized to charge and credit Deposit Account No. as described below.
 - Charge the amount of _____
 - Credit any overpayment.
 - Charge any additional fee required.
- Payment by credit card. Form PTO-2038 is attached.

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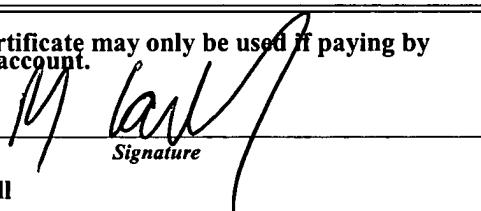
(Date) 

Signature of Person Mailing Correspondence

APRIL DAVIS

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.


 Kevin J. Carroll

Reg. No. 36,384

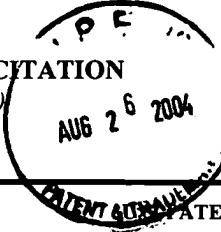
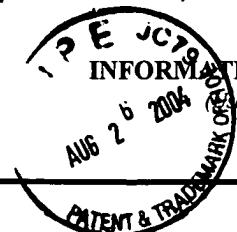
Grossman Tucker Perreault & Pfleger, PLLC

55 South Commercial Street

Manchester, NH 03101

Dated: AUGUST 24, 2004

CC:


INFORMATION DISCLOSURE CITATION
(use several sheets if necessary)
Docket Number (Optional)
JPSA 001
Application Number
10/782,741
Applicant(s)
SERCEL ET AL
Filing Date
FEBRUARY 19, 2004
Group Art Unit
PATENT & TRADEMARK OFFICE PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,631,190	5/20/1997	NEGLEY	438	33	
	2	6,580,054	6/17/2003	LIU ET AL	219	121.68	
	3	6,472,295	10/29/2002	MORRIS ET AL	438	463	
	4	2002/0149136	10/17/2002	BAIRD ET AL	264	400	
	5	6,130,401	10/10/2000	YOO ET AL	219	121.6	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6	2002/0031899	3/14/2002	MANOR	438	460	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
7	JP11163403	6/18/1999	JAPAN -2 English abstracts	H01L	33/00		✓
8	WO 02/41362 A2	5/23/2002	PCT	H01L			
9	WO 00/75983 A1	12/14/2000	PCT	H01L	784		
10	EP 1137 072 A2	9/26/2001	EPO	H01L	29/201		
11	55-151351	11/25/1980	JAPAN w/English abstract	H01L	21/78		✓

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

12	T. Villenuve, "Nanosecond pulsed laser improve micro-machining", DesignNews (Reed Elsevier Inc.) 2001 Issue 11 pp. 33-35, June 4, 2001.
13	D.Hellrung et al, "High-Accuracy Micromachining of Ceramics by Frequency-Tripled Nd:YAG-Lasers", Proceedings of SPIE-The International Society for Optical Engineering, vol. 3618 pp. 348-356, November 25-27, 1999.

EXAMINER
DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			ATTY DOCKET NO. JPSA 001		APPLICATION NO. 10/782,741			
			APPLICANT(S) SERCEL ET AL					
			FILING DATE FEBRUARY 19, 2004		GROUP ART UNIT			
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	14	5,932,118	8/3/1999	YAMAMOTO ET AL	219	121.66		
	15	5,864,171	1/26/1999	YAMAMOTO ET AL	257	628		
	16	5,543,365	8/6/1996	WILLS ET AL	437	226		
	17	3,629,545	12/21/1971	GRAHAM ET AL	219	121		
	18	3,699,644	10/24/1972	COCCA	29	527.2		
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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	19	56-6451	1/23/1981	JAPAN w/English abstract	H01L	21/78		<input checked="" type="checkbox"/>
	20	57-6650	1/13/1982	JAPAN w/English abstract	A61B	17/22		<input checked="" type="checkbox"/>
	21	57-81985	5/22/1982	JAPAN w/English abstract	B23K	26/00		<input checked="" type="checkbox"/>
	22	58-44738	3/15/1983	JAPAN w/English abstract	H01L	21/78		<input checked="" type="checkbox"/>
	23	58-44739	3/15/1983	JAPAN w/English abstract	H01L	21/78		<input checked="" type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	24	Lee, Jong-Moo et al, "Scribing Blue LED Wafer Using Laser-Induced Plasma-Assisted Ablation With a Q-Switched Nd:YAG Laser", Proceedings of SPIE, Laser Application in Microelectronic and Optoelectronic Manufacturing V, Volume 3933, January 24-26, 2000, Pgs. 237-244.						
	25	A. Ostendorf et al, "Material Processing Applications for Diode Pumped Solid State Lasers", Lambda Highlights, Lambda Physik, No. 57, May 2000, Pgs. 1-8.						
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APPLICATION NO.
10/782,741

SERCEL ET AL

FILING

FEBRUARY 19, 2004

GROUP ART

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	26	4,851,371	7/25/1989	FISHER ET AL	437	226	
	27	4,865,686	9/12/1989	SINOHARA	156	643	
	28	4,964,212	10/23/1990	DEROUX-DAUPHIN ET AL	29	852	
	29	4,992,393	2/12/1991	KOSAKA ET AL	437	83	
	30	5,075,201	12/24/1991	KOH	430	321	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	31	58-68946	4/25/1983	JAPAN w/English abstract	H01L	21/78		<input checked="" type="checkbox"/>
	32	10-64854	3/6/1998	JAPAN w/English abstract	H01L	21/301		<input checked="" type="checkbox"/>
	33	11-224866	8/17/1999	JAPAN w/English abstract	H01L	21/301		<input checked="" type="checkbox"/>
	34	JP2000-4066	1/7/2000	JAPAN w/English abstract	H01S	5/30		<input checked="" type="checkbox"/>
	35	JP2000-196186	7/14/2000	JAPAN w/English abstract	H01S	5/10		<input checked="" type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	36	Powell, Paula M., Senior Editor, "Diode-Pumped Solid-State Lasers:Manufacturing Matters", 2002 Global Photonics Market Forecast.
	37	Park, Jongkook and Sercel, Patrick, "High-Speed UV Laser Scribing Boosts Blue LED Industry", CompoundSemiconductor, Volume 8, Number 11, December 2002.

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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
38		6,117,347	9/12/2000	ISHIDA	216	52		
39		6,140,151	10/31/2000	AKRAM	438	113		
40		6,225,194	5/1/2001	NOGUCHI ET AL	438	464		
41		3,626,141	12/7/1971	DALY	219	121		
42		3,814,895	6/4/1974	FREDRIKSEN	219	121		
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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43		61-219535	9/29/1986	JAPAN w/English abstract	B23P	15/24		✓
44		63-174793	7/19/1988	JAPAN w/English abstract	B23K	26/00		✓
45		63-183885	7/29/1988	JAPAN w/English abstract	B41M	5/26		✓
46		WO 03/028943 A1	4/10/2003	PCT	B23K	26/12		
47		_____						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		48	Wiener-Avnear, Eli, "Laser Micromachining Creates Precise 3-D Structures", Laser Focus World-Optoelectronics and Laser Technology Advances, November 1998, Pgs. 1-4.					
		49	Lambda Physik, Lambda Highlights No. 18, "New Resist for 248 NM Successfully Investigated", August 1989, Pgs. 1-4.					
EXAMINER				DATE CONSIDERED				
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U.S. PATENT DOCUMENTS								
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50		4,921,564	5/1/1990	MOORE	156	344		
51		5,057,664	10/15/1991	JOHNSON ET AL	219	121.69		
52		33,947	6/2/1992	SHINOHARA	156	643		
53		5,138,131	8/11/1992	NISHIKAWA ET AL	219	121.67		
54		5,387,776	2/7/1995	PREISER	219	121.72		
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		55	Lambda Physik, "Gator", DPSS Lasers - Gator Series, May 2003.					
		56	Oxford Lasers, "Sapphire Wafer Scribing System", www.oxfordlasers.com.					
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	57	5,811,751	9/22/1998	LEONG ET AL	219	121.6	
	58	5,961,852	10/5/1999	RAFLA-YUAN ET AL	219	21.69	
	59	5,963,364	10/5/1999	LEONG ET AL	359	352	
	60	5,987,920	11/23/1999	BOSMAN ET AL	65	23	
	61	5,994,205	11/30/1999	YAMAMOTO ET AL	438	464	
U.S. PATENT APPLICATION PUBLICATIONS							
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FOREIGN PATENT DOCUMENTS							
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							YES
							NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
				MEMS and Nanotechnology Clearinghouse, "JPSA Announces The IX-1000 Laser Microdice System", www.memsnet.org , January 6, 2004.			
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FILING DATE FEBRUARY 19, 2004	GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
63		6,413,839	7/2/2002	BROWN ET AL	438	463	
64		5,185,295	2/9/1993	GOTO ET AL	438	463	
65		5,912,477	1/15/1999	NEGLEY	257	95	
66		5,151,389	9/29/1992	ZAPPELLA	437	226	
67		5,214,261	5/25/1993	ZAPPELLA	219	121.67	

U.S. PATENT APPLICATION PUBLICATIONS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER _____ **DATE CONSIDERED** _____

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	68	5,922,224	7/13/1999	BROEKROELOFS	219	121.72	
	69	3,824,678	7/23/1974	HARRIS ET AL	29	578	
	70	3,970,819	7/20/1976	GATES ET AL	219	121	
	71	4,046,985	9/6/1977	GATES	219	121	
	72	4,224,101	9/23/1980	TIJBURG ET AL	156	643	
U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
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73		4,543,464	9/24/1985	TAKEUCHI	219	121	
74		4,729,971	3/8/1988	COLEMAN	437	226	
75		5,385,633	1/31/1995	RUSSELL ET AL	156	693	
76		5,543,365	8/6/1996	WILLS ET AL	437	226	
77		5,552,345	9/3/1996	SCHRANTZ ET AL	437	227	
U.S. PATENT APPLICATION PUBLICATIONS							
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U.S. PATENT DOCUMENTS							
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	78	5,641,416	6/24/1997	CHADHA	219	121.69	
	79	5,872,046	2/16/1999	KAERIYAMA ET AL	438	465	
	80	5,976,691	11/2/1999	NOGUCHI ET AL	428	354	
	81	3,816,700	6/11/1974	WEINER ET AL	219	121	
	82	4,237,601	12/9/1980	WOOLHOUSE ET AL	29	583	
U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	83	4,336,439	6/22/1982	SASNETT ET AL	219	121	
	84	4,543,464	9/24/1985	TAKEUCHI	219	121	
	85	4,562,333	12/31/1985	TAUB ET AL	219	121	
	86	4,664,739	5/12/1987	AURICCHIO	156	344	
	87	5,611,946	3/18/1997	LEONG ET AL	219	121.6	
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	88	5,626,777	5/6/1997	HUGL ET AL	219	121.72	
	89	5,627,109	5/6/1997	SASSA ET AL	438	460	
	90	5,703,713	12/30/1997	LEONG ET AL	359	352	
	91	5,801,356	9/1/1998	RICHMAN	219	121.68	
	92	5,809,987	9/22/1998	WARK ET AL	125	35	
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	93	6,057,525	5/2/2000	CHANGE ET AL	219	121.73	
	94	6,107,162	8/22/2000	MORITA ET AL	438	462	
	95	6,121,118	9/19/2000	JIN ET AL	438	460	
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							YES
							NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

JPSA 001

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10/782,741

Applicant(s)

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